

Amendment to the Claims

1. (Currently amended) A computer-readable medium ~~whose contents~~
containing computer program code that when executed by a computer cause a computer
 system to recognize a character based user interface having a plurality of host component
 types and to transform the character based user interface to a web enabled user interface,
 the medium ~~computer system~~ having instructions code to control the computer perform
~~the steps of,~~ the medium containing:

code for scanning the character based user interface by a plurality of agents;

code for determining which host component types exist in the character based
 user interface, each agent determining the existence of a different host component type
 from the other agents;

code for defining a match region for each host component type found to exist by
 an agent in the character based user interface;

code for determining whether two or more match regions overlap; and

code for rendering match regions associated with each agent to compose the web
 enabled user interface.

2. (currently amended) The computer-readable medium of claim 1 wherein
 the rendering ~~step~~ code further comprises ~~the step of:~~

code rendering each match region as a widget, the widgets composing a formatted
 output page.

3. (currently amended) The computer-readable medium of claim 1 further comprising resolving code executed a step before the rendering step code, ~~the step~~ comprising:

code for resolving a conflict between two or more match regions which overlap based on a policy to determine which agent associated with a match region controls the overlap region.

4. (currently amended) The computer-readable medium of claim 3 wherein the ~~policy~~ resolving code comprises ~~the steps of~~:

code for assigning a predetermined priority to each agent;

code for comparing the predetermined priority of the two or more conflicting agents; and

code for selecting the agent with the highest predetermined priority to control the overlapping region.

5. (currently amended) The computer-readable medium of claim 3 wherein the ~~policy~~ resolving code further comprises ~~the steps of~~:

code for comparing the size of the conflicting regions which overlap; and

code for selecting the agent having the smaller size region to control the overlapped region.

6. (currently amended) The computer-readable medium of claim 3 wherein the ~~policy~~ resolving code further comprises ~~the steps of:~~

code for assigning a dynamic priority to each conflicting region having a common overlapping region, the dynamic priority based on the projected amount of time expended to render each conflicting region; and

code for selecting the agent controlling the conflicting region having the highest priority to retain control over the overlapping region.

7. (currently amended) The computer-readable medium of claim 4 ~~wherein~~ further containing code for controlling the conflicting agents to negotiate whether to relinquish control of at least the overlap region.

8. (currently amended) A computer system for recognizing a character based user interface having a plurality of host component types and transforming the character based user interface to a web enabled user interface, the computer system ~~having an anti-virus program comprising:~~

a memory comprising a plurality of agent objects to scan the character based user interface, each agent object determining the existence of a different host component type from the other agents, each agent object defining a match region for each host component type found to exist in the character based user interface, each agent object rendering its associated match region to compose the web enabled user interface; and

a processor for running the plurality of agent objects.

9. (original) The computer system of claim 8 wherein each agent rendering each match region as a widget, the widgets composing a formatted output page.

10. (original) The computer system of claim 8 wherein the memory further comprising:

an agent manager for determining whether two or more match regions overlap.

11. (original) The computer system of claim 10 wherein two or more agents resolve a conflict between two or more overlapping match regions based on a policy to determine which agent associated with one match region controls the overlap region, the processor running the policy.

12. (original) The computer system of claim 11 wherein the policy executed by the processor comprises:

assigning a predetermined priority to each agent;

comparing the predetermined priority of the two or more conflicting agents; and

selecting the agent with the highest predetermined priority to control the overlapping region.

13. (original) The computer system of claim 11 wherein the policy executed by the processor comprises:

comparing the size of the conflicting regions which overlap; and
selecting the agent having the smaller size region to control the overlapped region.

14. (original) The computer system of claim 11 wherein the policy executed by the processor comprises:

assigning a dynamic priority to each conflicting region having a common overlapping region, the dynamic priority based on the projected amount of time expended to render each conflicting region; and

selecting the agent controlling the conflicting region having the highest priority to retain control over the overlapping region.

15. (original) A method for recognizing a character based user interface having a plurality of host component types and transforming the character based user interface to a web enabled user interface, the method comprising:

- scanning the character based user interface by a plurality of agents;
- determining which host component types exist in the character based user interface, each agent determining the existence of a different host component type from the other agents;
- defining a match region for each host component type found to exist by an agent in the character based user interface;
- determining whether two or more match regions overlap; and
- rendering match regions associated with each agent to compose the web enabled user interface.

16. (original) The method of claim 15 wherein the render step further comprises the step of:

- rendering each match region as a widget, the widgets composing a formatted output page.

17. (original) The method of claim 15 further comprising a step before the rendering step, the step comprising:

- resolving a conflict between two or more match regions which overlap based on a policy to determine which agent associated with a match region controls the overlap region.

18. (original) The method of claim 17 wherein the policy comprises the steps of:
assigning a predetermined priority to each agent;
comparing the predetermined priority of the two or more conflicting agents; and
selecting the agent with the highest predetermined priority to control the
overlapping region.

19. (original) The method of claim 17 wherein the policy comprises the steps of:
comparing the size of the conflicting regions which overlap; and
selecting the agent having the smaller size region to control the overlapped
region.

20. (original) The method of claim 17 wherein the policy comprises the steps of:
assigning a dynamic priority to each conflicting region having a common
overlapping region, the dynamic priority based on the projected amount of time expended
to render each conflicting region; and
selecting the agent controlling the conflicting region having the highest priority to
retain control over the overlapping region.

21. (original) The method of claim 18 wherein the conflicting agents negotiate
whether to relinquish control of at least the overlap region.